

knowledge to excuse them; for who has ever avoided error in the wide extended field of nature? Who is furnished with a sufficient stock of observations? I shall be thankful for your friendly corrections. I have done what I could myself."—A. H. HASSALL.

METEOROLOGICAL OBSERVATIONS FOR DEC. 1845.

*Chiswick.*—December 1. Rain: cloudy: clear. 2. Clear and fine: heavy rain. 3. Overcast: showery: clear. 4. Clear: fine: heavy rain. 5—7. Clear: frosty. 8. Sharp frost: overcast: drizzly. 9. Fine. 10. Clear. 11. Cloudy: clear and windy at night. 12. Overcast: fine: clear. 13. Frosty and foggy: cloudy. 14. Foggy: hazy: drizzly. 15. Rain: fine. 16. Fine. 17. Overcast: slight drizzle. 18. Foggy: rain. 19. Densely and uniformly overcast: rain. 20. Clear: dark clouds, with rainbow. 21. Boisterous and densely clouded: clear and frosty at night. 22. Densely overcast: sleet: showery: very boisterous at night. 23. Cloudy and boisterous at night. 24. Cloudless, with bright sun. 25. Hazy: thick fog at night. 26. Cloudy. 27. Clear: fine: overcast. 28. Boisterous, with rain: clear. 29. Frosty: overcast. 30. Overcast: clear. 31. Very fine: heavy rain and boisterous at night.—Mean temperature of the month  $0^{\circ}\cdot4$  above the average.

*Boston.*—Dec. 1. Cloudy: rain early A.M. 2. Fine: rain P.M. 3. Fine. 4. Fine: rain P.M. 5—7. Fine. 8. Fine: rain P.M. 9. Cloudy: stormy P.M. 10. Fine. 11. Stormy: stormy night. 12. Cloudy: rain early A.M. 13, 14. Fine. 15. Stormy. 16. Cloudy. 17. Cloudy: rain P.M. 18. Rain: rain early A.M.: rain all day. 19. Cloudy. 20. Cloudy: rain early A.M. 21. Windy: rain early A.M. 22. Windy and showery. 23. Stormy. 24. Fine. 25. Rain: rain early A.M. 26. Cloudy: rain P.M. 27. Fine. 28. Rain: rain early A.M. 29. Fine: rain P.M. 30. Windy: stormy P.M. 31. Fine.

*Sandwick Manse, Orkney.*—Dec. 1. Showers: sleet-showers. 2. Showers: sleet: clear: aurora borealis very brilliant. 3. Fine: clear: aurora borealis very brilliant. 4. Showers: hail: cloudy. 5, 6. Rain: cloudy. 7. Clear frost: clear. 8. Bright: cloudy. 9. Showers. 10. Cloudy: rain. 11. Showers. 12. Cloudy. 13. Cloudy: showers. 14. Rain. 15. Sleet-showers: rain. 16. Sleet-showers: showers. 17. Frost: cloudy: clear frost. 18. Frost: cloudy: snow-showers. 19. Showers: clear frost. 20. Frost: cloudy: sleet-showers. 21. Frost: bright: cloudy: thaw. 22. Showers. 23. Showers: clear. 24. Cloudy: showers. 25. Showers: cloudy. 26. Showers. 27. Snow-showers: sleet-showers. 28. Snow: frost. 29. Rain. 30. Showers: clear frost. 31. Cloudy: rain.

*Applegarth Manse, Dumfries-shire.*—Dec. 1, 2. Showers. 3. Showers of snow. 4. Frost: rain P.M. 5. Very heavy rain. 6. Showers. 7. Fair and fine: slight frost. 8. Frost: rain P.M. 9. Fine A.M.: rain P.M. 10. Fair, but damp. 11. Fair and clear: frost. 12. Frost. 13. Frost, hard. 14. Very wet P.M.: frost A.M. 15, 16. Heavy showers. 17. Fine A.M.: shower P.M. 18. Fine A.M.: frost P.M. 19. Frost A.M.: rain P.M. 20. Frost A.M. 21. Frost: clear. 22. Heavy showers. 23. Slight frost. 24. Frost A.M.: shower P.M. 25. Fine. 26. Heavy rain all day. 27. Heavy showers. 28. Fair and fine. 29. Heavy rain: frost. 30. Heavy rain. 31. Frost A.M.: rain P.M.

Mean temperature of the month *	39°·5
Mean temperature of Dec. 1844	33·8
Mean temperature of Dec. for 23 years	38·3
Mean rain in Dec. for 18 years	3 inches.

\* It would be worth while for the meteorological correspondents to note the particulars here stated in their reports.